

**REMARKS**

Claims 1-40 are all the claims pending in the application. Applicants thank the Examiner for allowing claims 18 and 36-39.

Drawings:

Applicants note the Examiner's objection to the hand drawing in some of the Figures. Applicants are preparing formal drawings which will be the subject of a separate filing to resolve this objection.

Claim Objections:

Claims 11 and 30 are objected to because the symbol " $\wedge$ " in line 2 of claims 11 and 30 is not found in equation (9) of the specification. Applicants have amended these claims to correct a clerical error in the recited equation in these claims relating to the timing offset estimation. The recited equation can be found on page 15, line 18 of the present specification.

Claim Rejections - 35 U.S.C. § 103(a):

Claims 1, 13, 14, 19, 21, 31, 32, 34, 35 and 40 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Raphaeli et al. (U.S. Patent No. 6,614,864) in view of Lee (U.S. Patent No. 6,373,861), and further in view of Sudo et al. (U.S. Patent No. 6,714,511).

Applicants note that Lee is cited in each of the Examiner's rejections throughout the Office Action. The Examiner uses Lee to disclose the recited frequency offset estimator. Specifically, the Examiner acknowledges that Raphaeli et al. fails to explicitly disclose a frequency offset estimator that is coupled to said sliding window correlation summing device

and receives and processes said sliding window correlation sum to calculate a frequency offset estimation.

Applicants submit that Lee is commonly assigned to Samsung Electronics, Co., and is only applicable as a reference under 35 U.S.C. § 102(e). Further, the present application and Lee were, at the time the invention was made, subject to an obligation of assignment to the same organization, Samsung Electronics Co., (see MPEP 706.02(1)(3)). Accordingly, Applicants respectfully submit that Lee is disqualified as prior art under 35 U.S.C. § 103(c). Therefore, Applicants respectfully submit that the claims are in form for allowance, and request that the application be passed to issue as quickly as possible.

If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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